

07057750 BRYANT CREEK BELOW EVANS, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 36°52'16", long 92°28'18", in NW 1/4 NW 1/4 sec.10, T.25 N., R.14 W., Douglas County, Hydrologic Unit 11010006. Sampling site is located off Highway 14, 12 mi west of Highway 95 intersection, and 13 mi south of Ava.

DRAINAGE AREA.--214 mi².

PERIOD OF RECORD.--November 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- SOLVED (mg/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (mg/L) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (mg/L) (00340)	COLI- FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA- LINITY WAT WH TOT FET FIELD (mg/L as CaCO ₃) (00410)
DATE	TIME										
DEC 05...	1104	40	8.5	415	8.3	11.9	101	--	32	K12	227
JAN 31...	1215	61	2.5	400	8.3	14.7	110	10	K3	K6	190
MAR 06...	1100	39	10.0	417	8.0	9.9	88	--	27	K13	217
APR 03...	0900	175	9.5	353	8.0	11.1	97	--	20	46	167
JUN 12...	1130	83	19.0	376	7.9	9.4	103	<10	37	48	195
AUG 28...	0945	32	21.0	430	8.1	7.9	90	--	100	210	229

DATE	BICAR- BONATE WATER WH IT FIELD (mg/L as HCO ₃) (00450)	CAR- BONATE WATER WH IT FIELD (mg/L as CO ₃) (00447)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (mg/L as N) (00630)	NITRO- GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO- GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS- PHORUS TOTAL (mg/L as P) (00665)	PHOS- PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD- NESS TOTAL (mg/L as CaCO ₃) (00900)	CALCIUM DIS- SOLVED (mg/L as Ca) (00915)
DEC 05...	279	0	0.530	<0.010	0.010	<0.20	<0.020	<0.010	--	--
JAN 31...	230	0	0.610	0.010	0.020	<0.20	<0.020	<0.010	210	44
MAR 06...	266	0	0.420	0.010	0.030	<0.20	0.020	<0.010	--	--
APR 03...	205	0	0.550	<0.010	0.020	<0.20	<0.020	<0.010	--	--
JUN 12...	238	0	0.440	<0.010	0.020	<0.20	<0.020	<0.010	200	44
AUG 28...	280	0	0.460	<0.010	0.020	<0.20	<0.020	<0.010	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (mg/L as Mg) (00925)	SODIUM, DIS- SOLVED (mg/L as Na) (00930)	POTAS- SIUM, DIS- SOLVED (mg/L as K) (00935)	SULFATE DIS- SOLVED (mg/L as SO ₄) (00945)	CHLO- RIDE, DIS- SOLVED (mg/L as Cl) (00940)	FLUO- RIDE, DIS- SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (mg/L) (00530)	ALUM- INUM, TOTAL RECOV- ERABLE (µg/L as Al) (01105)	ALUM- INUM, DIS- SOLVED (µg/L as Al) (01106)
JAN 31...	25	2.0	1.0	5.6	5.1	<0.10	220	<1	20	<20
JUN 12...	22	1.8	1.2	4.0	3.9	<0.10	268	<1	30	3.2

DATE	CADMIUM TOTAL RECOV- ERABLE (µg/L as Cd) (01027)	CADMIUM DIS- SOLVED (µg/L as Cd) (01025)	COPPER, DIS- SOLVED (µg/L as Cu) (01040)	IRON, DIS- SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV- ERABLE (µg/L as Pb) (01051)	LEAD, DIS- SOLVED (µg/L as Pb) (01049)	MANGA- NESE, DIS- SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV- ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV- ERABLE (µg/L as Zn) (01092)	ZINC, DIS- SOLVED (µg/L as Zn) (01090)
JAN 31...	<1	<1.0	<1.0	<3.0	<1	<1.0	1.9	<0.10	<4	<4.0
JUN 12...	<1	<1.0	<1.0	4.0	<1	<1.0	6.6	<0.10	3	<1.0

K--Results based on colony count outside the acceptable range (non-ideal colony count).